

**METHOD, APPARATUS AND COMPUTER PROGRAM PRODUCT FOR  
IMPLEMENTING ENHANCED PROXY ARP FOR VIRTUAL IP  
ADDRESSES**

Abstract of the Disclosure

5        A method, apparatus and computer program product are provided for  
implementing enhanced proxy Address Resolution Protocol (ARP) for Virtual  
Internet protocol (IP) addresses. A Virtual Internet protocol (IP) interface  
requiring proxy ARP is identified and a proxy agent for the Virtual Internet  
protocol (IP) interface is dynamically selected. An IP address for the Virtual  
10      Internet protocol (IP) interface is added to an address list of a physical  
adapter for the selected proxy agent. Utilizing the physical adapter for the  
selected proxy agent, the added IP address for the Virtual Internet protocol  
(IP) interface is broadcast with a media access control (MAC) address of the  
physical adapter for the selected proxy agent.